

3/0128263

DEC. 01

Work Order ID 152546

Friday, October 28, 2016 9:26:14 AM

152546

Eagle Pro
16-003406

Page 1

Item ID: D412-711-111

Accept

N900040100

Setup Start

NS1

Revision ID:

Stop

NS2

Item Name: Wiring Harness For Vertical Reference Door

Start Date: 11/7/2016 Start Qty: 1.00

1

Cust Item ID:

Required Date: 12/1/2016 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals: Process Plan: 

Date: 16-10-28

Tooling:

Date:

Run Start

NR1

QC:

Date:

SPC (Y/N):

Date:

Stop

NR2

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
N/A	Rev N/A								

100

0.00

100

PURCHASING

Purchasing

Memo

0.00

Purchasing

Issue P/O: 34240 to Eagle Copters

Ship D4268-043 qty1

Certificate of Conformity is required

1 NOV 08 2016

DAS
13
8-89

110

0.00

110

Receive & Inspect for Damage & Mat'l Certs

Packaging

Memo

0.00

Packaging

Ensure that Certificate of Conformity is attached

1X SP16-12-22

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : _____					

Work Order ID 152546

Friday, October 28, 2016 9:26:14 AM

152546

Page 2

Item ID: D412-711-111

Accept

N900040100

Setup Start

NS1

Revision ID:

Stop

NS2

Item Name: Wiring Harness For Vertical Reference Door

Start Date: 11/7/2016 Start Qty: 1.00 ***1***

Cust Item ID:

Required Date: 12/1/2016 Req'd Qty: 1.00 ***1***

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start

NR1

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop

NR2

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
120	QC4- 100% Inspect kits for completeness	0.00							
120									
QC	Memo	0.01							
Quality Control									
130	Identify as per dwg & Stock Location: <u>ST</u>	0.00							
130									
Packaging	Memo	0.00							
Packaging									
140	QC21- Final Inspection - Work Order Release	0.00							
140									
QC	Memo	0.02							
Quality Control									

DAS
21
9-89

DEC 22 2016

16-12-22

DEC 22 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : _____					

Picklist Print

Page 1

Friday, October 28, 2016 9:26:21 AM

Work Order ID: 152546

152546

Parent Item: D412-711-111

D412-711-111

Parent Item Name: Wiring Harness For Vertical Reference Door

Start Date: 11/7/2016

Required Date: 12/1/2016

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP Rev:A04.11.09New issueKJ/JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D4268-043 *D4268-043* Instrument Panel		Manufactured	No				Each	0.0000		1			
					152547				**			10-11-03	
D412-711-111P *D412-711-111P* Wiring Harness		Purchased	No			110	Each	0.0000	1	1			
									**			11-28-12-22	

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition			
				Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : _____					

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DEC. 01

Work Order ID 152546

Friday, October 28, 2016 9:26:14 AM

152546Eagle Pro
16-003406

Page 1

Item ID: D412-711-111

Accept

N900040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Wiring Harness For Vertical Reference Door

Start Date: 11/7/2016 Start Qty: 1.00

1

Cust Item ID:

Required Date: 12/1/2016 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals: Process Plan: 

Date: 16-10-28

Tooling:

Date:

Run Start ***NR1***

QC:

Date:

SPC (Y/N):

Date:

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
N/A	Rev N/A								

100

PURCHASING

0.00

100

Purchasing

Memo

0.00

Purchasing

Issue P/O: 34240 to Eagle Copters

Ship D4268-043 qty1

Certificate of Conformity is required

NOV 08 2016

DAS
73
8-85

110

Receive & Inspect for Damage & Mat'l Certs

0.00

110

Packaging

Memo

0.00

Packaging

Ensure that Certificate of Conformity is attached

DAS
42
9-89

DEC 21 2016

Friday, October 28, 2016 9:26:14 AM

Page 2

Accept

Setup Start *NS1*

Stop *NS2*

Item Name: Wiring Harness For Vertical Reference Door

Start Date: 11/7/2016 **Start Qty:** 1.00 ***1***

Cust Item ID:

Required Date: 12/1/2016 **Req'd Qty:** 1.00 ***1***

Customer:

Reference:

Approvals: **Process Plan:** _____ **Date:** _____ **Tooling:** _____ **Date:** _____

Run Start *NR1*

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop ***NR2***

Sequence ID/
Work Center ID

Operation Description

Set Up/ Run Hours

Tool ID

Tool #**Plan
Code**

**Accept
Qty**

Reject
QtyReject
Number

**Insp.
Stamp**

120

QC4- 100% Inspect kits for completeness

0.00

120

OC

Memo

0.01

Quality Control

130

Identify as per dwg & Stock Location: _____

0.00

130

Packaging

Memo

0.00

Packaging

140

QC21- Final Inspection - Work Order Release

0.00

140

QC

Memo

0.02

Quality Control

Picklist Print

Friday, October 28, 2016 9:26:21 AM

Page 1

Work Order ID: 152546

152546

Parent Item: D412-711-111

D412-711-111

Parent Item Name: Wiring Harness For Vertical Reference Door

Start Date: 11/7/2016

Required Date: 12/1/2016

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP Rev:A04.11.09New issueKJ/JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D4268-043 *D4268-043* Instrument Panel		Manufactured	No				Each	0.0000		1			
D412-711-111P *D412-711-111P* Wiring Harness		Purchased	No			110	Each	0.0000	1				

152547

**

1
D412-711-03

**

DAS
42
9-89
DEC 21 2016

Work Order Number: 53717 Build Wiring Harness for V-Door

This Work Report forms part of this aircraft's permanent technical records - DO NOT DESTROY.

Item: 1 Wiring Harness For Vertical Reference Door

Squawk: 1.1**Discrepancy:**

Build V/Door Wiring Harness for 412EP

Resolution:Assembled Vertical Reference Door Wiring Harness for Bell 412
EP IAW DWG# D412-711901, Rev A, Date Aug23, 2010 and
IAW BHT412EP ESPM Rev. 2 - 20-Jul-2012.

1.1 Work Done By: Tobin McCartney (TMCCARTNEY)

The maintenance described above has been performed in accordance with the applicable standards of airworthiness.**AMO 6-81** Signature: Ljubomir Jovicic (LJOVICIC) on 2016-12-20**Parts:**

Part Number	Description	Serial Number	Lot Number	Condition	Qty
MS3471W10-6P	CONNECTOR		LT-16-017672	New	1
MS3476W10-6S	CONNECTOR		LT-16-016763	New	1
MS3471W8-33P	CONNECTOR		LT-16-017583	New	1
MS3476W8-33S	CONNECTOR		LT-16-013928	New	1
MS3471W8-33PW	CONNECTOR		LT-16-017675	New	1
MS3476W8-33SW	CONNECTOR		LT-16-017677	New	1
MS3471W12-10P	CONNECTOR		LT-16-017673	New	1
MS3476W12-10S	CONNECTOR		LT-16-017543	New	1
MS3471W12-10PW	CONNECTOR		LT-16-017674	New	1
MS3476W12-10SW	CONNECTOR		LT-16-017676	New	1
126-198	Connector		LT-15-009556	New	1
MS25041-6-327	LIGHT ASSEMBLY		LT-16-017651	New	2
MS25041-8-327	LIGHT ASSY		LT-014814	New	1
MS25041-8-327	LIGHT ASSY		LT-16-017758	New	1
D4268-043	Instrument Panel		LT-16-017733	New	1
XPF-3/8	EXPANDABLE SLEEVING, BLACK		LT-15-005071	New	9

* End of Report *



***** Original Maintenance Releases and Independent Control Inspection details are stored electronically at*****

***** Eagle Copters Maintenance Ltd. in Calgary Alberta in the Corridor Software *****